

ILLINOIS

WEATHER & CROPS



**ILLINOIS
COOPERATIVE CROP
REPORTING SERVICE**

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STATISTICAL REPORTING SERVICE USDA
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CROP HI-LITES

*** Soybeans - 95% planted
*** Wheat - 90% turning yellow, 25% ripe,
1% combined
*** Soil Moisture - 3% short
61% adequate
36% surplus

CORN condition on Friday, June 18, was reported as 13% excellent, 76% good and 11% fair. The average height of corn on Sunday, June 20, was reported at 24 inches compared to 19 inches last year and the year average (1977-81) of 22 inches.

The height of the most advanced corn was reported at 38 inches compared to 32 inches last year and an average of 35 inches. Corn was reported as 90% of full stand, up from 87% three weeks ago and 89% last year.

Planting of SOYBEANS was 95% complete on June 20 compared to 88% last year and an average of 96%. Condition of soybeans on June 18 was reported as 6% excellent, 74% good, 19% fair and 1% poor. Soybeans were reported as 87% of full stand, compared to 89% of full stand last year.

SORGHUM planting was 80% complete as of June 20.

WINTER WHEAT condition on June 18 was reported as 8% excellent, 69% good, 22% fair, and 1% poor. Ninety percent of the wheat crop was turning yellow by June 20 compared to 95% last year and an average of 85%. Twenty-five percent of the crop was ripe compared to 55% last year and an average of 48%. One percent of the crop was combined compared to 6% last year and an average of 9%.

The OATS crop on June 18 was reported as 3% excellent, 69% good, 27% fair, and 1% poor. Approximately 80% of the crop was headed on June 20 compared to 82% last year and an average of 76%. Fifty percent of the crop was filled compared to 45% last year and an average of 43%. Five percent of the crop was turning yellow compared to 4% last year and an average of 4%.

ALFALFA was reported as 12% excellent, 80% good, 7% fair and 1% poor on June 18. About 84% of the first crop was cut by June 20 compared to 88% last year and an average of 91%.

RED CLOVER was reported as 12% excellent, 82% good and 6% fair on June 18. About 65% of the crop was cut for hay by June 20 compared to 70% last year and an average of 78%.

PASTURES on June 18 were reported as 24% excellent, 73% good and 3% fair.

SOIL MOISTURE was reported as 3% short, 61% adequate and 36% surplus on June 18.

There were 3.50 DAYS SUITABLE for FIELDWORK for the week ending June 18.

WEATHER

TEMPERATURES for the period of June 14-20 averaged 4 to 8 degrees below normal throughout most of the State as a cool period continued for the third straight week.

PRECIPITATION was heavy in most portions as amounts ranged from 1 to 3 inches. Scattered thunderstorms gave localized areas nearly 2 inches during a 24-hour period.

The OUTLOOK for the period of June 22 through June 28 is for temperatures to be below normal and precipitation to be above normal.

MAY WEATHER SUMMARY

Average monthly TEMPERATURES ranged from 2 to 7 degrees above normal throughout the State. The South-Southwest District had the largest above normal variation (6.6 degrees above normal). A warm trend which started during the last week of April continued throughout May. During the second week, many new maximum temperature records were set in many areas as readings climbed into the upper 80's.

PRECIPITATION was above normal in every district of the State with the central sections recording near normal rainfall. The largest above normal variation was in the Northeast District. During the first week, precipitation was heavy in the southern sections with some local areas receiving more than 2.50 inches of rain during a 24-hour period. In the third week heavy rainfall amounts deluged parts of the Northeast District with as much as 7 inches. Local flooding occurred.

The Extended OUTLOOK from June 15 to July 15 is for below normal temperatures and above normal precipitation.

SOIL MOISTURE MEASUREMENTS

Soil moisture is measured each week by the Illinois State Water Survey at a site near Bondville (Champaign County). As of June 14, soil moisture in the moderately well-drained Flanagan soil in the total column from the surface to about 7 feet decreased from 69% of Potential Plant Available Moisture (PPAM) to 64%. Between the surface and 4-inch depth, the moisture decreased sharply from 60% of PPAM to 22%. Between 4 and 12 inches, the PPAM decreased from 41% to 19%. From the 12 to 20-inch depth, the PPAM decreased from 38% to 36%. Precipitation during the week prior to the measurement amounted to 0.19 inch.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Soybeans: % planted (as of June 20)	99	99	92	99	99	94	90	86	96	95	96
Alfalfa: % hay cut (as of June 20)	85	75	75	80	90	85	90	95	95	84	
Days suitable for fieldwork: week ending June 18)	4.0	4.0	3.5	3.5	5.0	2.5	2.5	3.0	2.0	3.50	
Soil moisture %: (as of June 18)											
Short	--	20	--	--	--	--	--	5	--	3	
Adequate	85	80	55	95	90	50	15	40	35	61	
Surplus	15	--	45	5	10	50	85	55	65	36	

Ill. Weather & Crops
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ILLINOIS WEATHER

PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
May	4.46	4.07	4.26	4.03	4.23	4.21	4.97	5.07	5.09
Departure	+0.59	+0.49	+0.28	+0.06	+0.06	+0.06	+0.55	+0.45	+0.51

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	April	May	June 1-7	June 8-14	June 15-21
Chicago	-4	+6	-6	-2	-6
Peoria	-5	+7	-4	-2	-4
Springfield	-5	+7	-5	-2	-4
St. Louis	-4	+6	-5	-2	-4

STATION	Week ending Monday, 6 A.M., June 21						
	Maxi-mum	Mini-mum	Average	Current	3-yr. av.	Totals 1981	Totals 1982
Moline	82	50	65.7	111	1026	1050	1008
Rockford	84	49	63.6	95	888	930	930
Chi. O'Hare	83	45	62.4	90	885	961	859
Quincy	77	53	66.1	114	1124	1094	988
Decatur	80	48	65.9	112	1089	1148	995
Peoria	82	51	67.1	119	1032	1127	1071
Watseka	83	43	64.3	104	3/	991	944
Springfield	83	50	67.9	125	1144	1247	1150
Brownstown	85	51	67.9	126	3/	1305	1103
St. Louis	86	59	71.1	148	1300	1379	1253
Dixon Springs	89	57	74.0	166	3/	1461	1316

1/Totals are accumulated from April 1. 2/Average of accumulated totals for 1979, 1980 and 1981. 3/Previous years' data are not available.

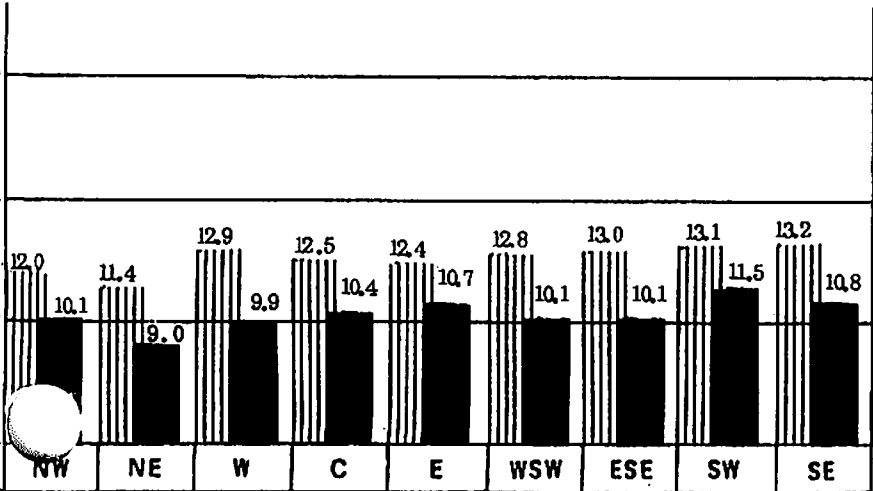
Growing degree days(GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION (Inches)

LEGEND: Normal Actual

April 1-June 30

April 1-June 21



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PRECIPITATION:
First figure--Current week, June 15-21
Parentheses--Previous week
M--Missing. T--Trace.

